

## ABSTRACT OF THE DISCLOSURE

A power supply for a hybrid scavengerless development (HSD) image forming system which generates three voltages, a mag voltage, a donor voltage and a wire electrode voltage. The power supply outputs square waveforms for generating the toner clouds to maximize the voltage push-pull on the toner without increasing the peak voltage level. The power supply also generates asymmetric waveforms for the mag AC, donor AC and wire electrode voltage signals to avoid air breakdown at the wire electrode to donor interface while allowing maximum use of the voltage space. Finally, the power supply uses frequency modulation of the AC signals to suppress harmonic strobing of the wire electrodes.